

DERWENT-ACC-NO: 1995-301366
DERWENT-WEEK: 199539
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TITLE: Protection device of 3-phase asynchronous motors
from phase breaking -
has windings of relay to form voltage between non-failed
phases and uses
magnetic fluxes of windings to disconnect relay and motor

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PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES	MAIN-IPC	
RU 2030054 C1	February 27, 1995	N/A
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APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
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RU 2030054C1	N/A	1991SU-4906216
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INT-CL (IPC): H02H007/09

ABSTRACTED-PUB-NO: RU 2030054C

BASIC-ABSTRACT: A button (7) is pressed, to close the
supply circuit of a
contactor (5), which closes contacts (8) and a motor (6),
to pass power to
windings (2,3) of a relay (1). After closing of a contact
(4), pressing on the
button is removed. The magnetic fluxes of windings (2,3),
which are counter
wound, form a summed magnetic flux to act on the relay (1).

The relay (1) is connected and the contact (4) maintains
the supply current of
the contactor (5). During failure of the A phase, the
voltages in windings

(2,3) are formed by the voltage between phases B,C and the relay (1) is disconnected, disconnecting the contactor (5) and the motor. During failure of the B or C phase, a magnetic flux is formed sufficient to disconnect the contactor and the motor.

USE/ADVANTAGE - Protection of electric motors with windings wound in a triangle. Better reliability and simplification.
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CHOSEN-DRAWING: Dwg.1/9

TITLE-TERMS:

PROTECT DEVICE PHASE ASYNCHRONOUS MOTOR PHASE BREAK WIND
RELAY FORM VOLTAGE NON
FAIL PHASE MAGNETIC FLUX WIND DISCONNECT RELAY MOTOR

DERWENT-CLASS: X13

EPI-CODES: X13-C04C;

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N1995-228720

